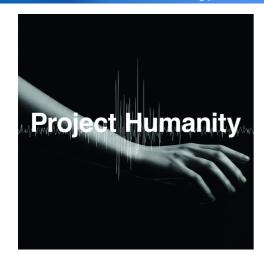
E36

Project Humanity with severe physical disabilities

IOWN Evolution Technology that Supports Individuals with Information from Their Brains and Bodies

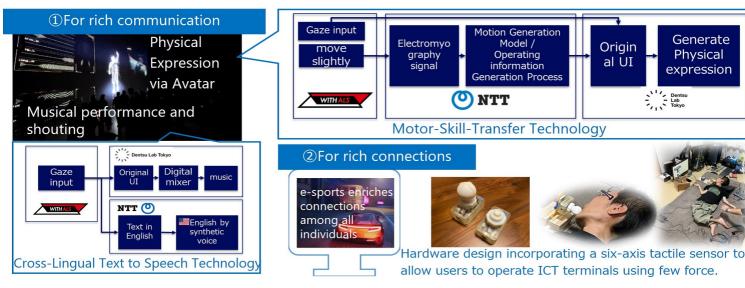


Background

Severely physical-disabled persons who supported 24-hour may wish to participate in society, but communication problems are a barrier and make it extremely difficult to achieve this. In addition, many suffer from isolation and disconnection from society.

Summary

We developed technologies to improve severe disabled persons' accessibility to society. The person with ALS unable to speak and to barely move own body, could speak in a synthetic voice, and express body movements via avatar. The person with SMA could operate ICT terminals easier using new device.



Features

- "Cross-Lingual Text to Speech Technology" can created synthesized voice from just a few seconds of voice and can also change the language keeping the voice quality of the person
- "Motor-Skill-Transfer Technology" based on electromyography signals can transmit to the avatar from the sensed micromotions moved the body slightly
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Future benefits

Respecting diversity and enabling someone to self-actualize and participate in society, if they wish.

Collaboration partners

WITH ALS, Dentsu Lab Tokyo, Happy Brain

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Contact

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